

ERICSSON **TELEFAX**AMENDMENT

The present set of claims replaces all previous sets of claims currently on file.

Claim 1 (Previously deleted).

Claim 2 (Currently amended) A method in a cellular telecommunications network of allocating network resources to perform a requested service, said method comprising the steps of:

determining by a Mobile Switching Center (MSC) each particular cell's capability to provide the requested service prior to allocating network resources in that cell;

building by the MSC a cell list comprising only cells that can provide the requested service; wherein the cell list includes at least one of the following:

a cell list comprised only of cells in a location area (LA) that can provide the requested service;

a cell list comprised only of cells in a paging area (PA) that can provide the requested service; and

a cell list comprised only of cells in a service area (SA) that can provide the requested service; and

allocating network resources only in the cells that can provide the requested service by paging for a mobile station only in the cells of the cell list, starting with the cells of the LA, and in the absence of a response from the mobile station, paging in the cells of the PA, and in the absence of a response paging in the cells of the SA.

Claim 3 (Previously deleted).

Claim 4 (Currently deleted)

Claim 5 (Currently deleted)

Claim 6 Currently deleted)

Claim 7 (Currently deleted)

Claim 8 (Previously deleted).

ERICSSON **TELEFAX**

Claim 9 (Currently amended) A Mobile Switching Center (MSC) for allocating network resources for paging a mobile station in a cellular telecommunications network to perform a requested service, said MSC comprising:

a capabilities database that stores information identifying each particular cell's capability to provide each of a plurality of services;

a processor that compares the requested service to the information stored in the capabilities database for each cell in order to determine each cell's capability to provide the requested service; and

a resource controller that builds a list of cells comprising cells capable to provide the requested service identified by the processor, the resource controller building lists of cells capable to provide the requested service belonging to a location area (LA), to a paging area (PA) and to a service area (SA), the resource controller allocating network resources for paging the mobile station consecutively in the LA, the PA and the SA, at least one cell in which network resources are to be allocated to perform a the requested service and allocates network resources only in the cells that can provide the requested service; and

wherein the cell list database includes at least one of the following:

a cell list comprised only of cells in a location area (LA) that can provide the requested service;

a cell list comprised only of cells in a paging area (PA) that can provide the requested service; and

a cell list comprised only of cells in a service area (SA) that can provide the requested service.

Claim 10 (Currently deleted).

Claim 11 (Currently deleted).

Claim 12 (Currently deleted).

Claim 13 (Previously deleted).

Claim 14 (Currently deleted).

ERICSSON 

TELEFAX

Claim 15 (Currently deleted).

Claim 16 (Currently deleted).

Claim 17 (Currently deleted).

Page 5 of 6

8400 Decarie Boul.
Montreal, QC H4P 2N2 CANADA

09/781,532

Tel: 1-514-345-7891
Fax: 1-514-345-7929

PAGE 5/6 * RCVD AT 9/2/2004 10:49:26 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729306 * CSID:5143457929 * DURATION (mm:ss):01:40